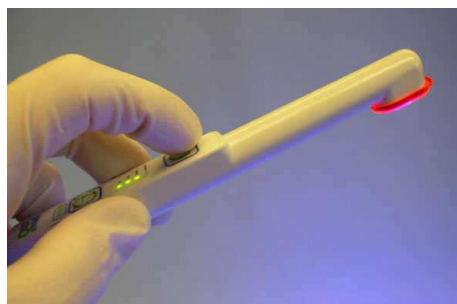


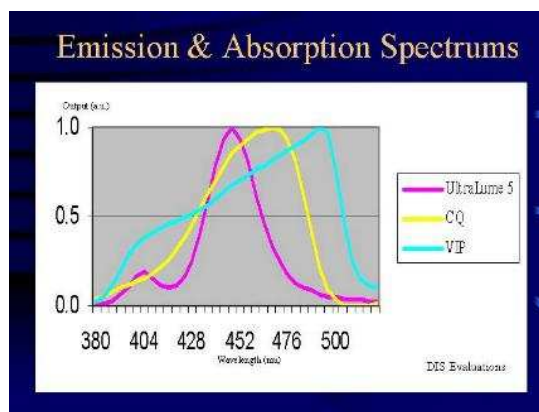
### UltraLume LED 5 Curing Light (Project 03-29) (3/04)



The UltraLume LED 5 curing light features five light-emitting diodes (LEDs) and a unique, large (10 x 14 mm) oval curing footprint. The low-profile design is claimed to allow access to any intraoral area. A primary LED provides curing for products containing camphoroquinone (peak at 468 nm) and four accessory LEDs (peak at 400 nm) provide curing for other photoinitiators. The bimodal spectral



emission purportedly allows UltraLume LED 5 to cure every photo-initiated product on the market. The unit has a hand-held wand and multi-voltage power supply connected by a cord. The wand, designed to rest in a dental-instrument console or in a bracket provided with the kit, is 7.5" long and 5/8" wide and weighs only 11 ounces. The power supply is adaptable for power outlets from 100 to 240 volts and is CSA-certified. The light has a clear, snap-on lenses that must be used to focus the light into one oval-shaped footprint. The UltraLume LED 5 also features a "Point-Curing" lens for seating veneers, a "ProxiCure" lens for the proximal box of posterior composite resin restorations, and a "TransLume" lens for transillumination.



#### Manufacturer:

Ultradent Products, Inc  
505 West 10200 South  
South Jordan, UT 84095  
(800) 496-8337  
(800) 842-9024 FAX  
[www.ultradent.com](http://www.ultradent.com)

#### Suggested Retail Price:

\$999.00 UltraLume LED 5 (item number 1683) contains:

- Handpiece with cord
- Power supply unit
- 5 curing lenses
- 1 "Point Cure" lens
- 1 "ProxiCure" lens
- 2 "TransLume" lenses (orange & yellow)
- Surface bracket
- Disposable barrier sleeves

#### Government Price:

\$849.15 UltraLume LED 5 (item number and contents as listed above)

#### ADVANTAGES:

- + Polymerizes all photo-initiated dental materials
- + Degree of cure similar to a typical halogen curing light
- + Lightweight, slim design
- + High irradiance

- + Sealed design facilitates disinfection or barrier protection
- + Easy intraoral access
- + Quiet – no fan noise
- + Ergonomically-placed timer controls
- + Curing-time indicator
- + Ergonomic handpiece design
- + Fits in standard handpiece holder
- + Transillumination, tacking, and proximal lenses provided
- + Internal voltage regulator
- + CSA certified

**DISADVANTAGES:**

- Very high heat emission from tip of light guide
- No light shield provided
- No built-in radiometer
- Interchangeable light guide not possible

**SUMMARY AND CONCLUSIONS:**

UltraLume LED 5 is a well-designed, easy-to-use, and lightweight corded light-emitting diode (LED) curing light by Ultradent Products. Clinical evaluators appreciated the quiet, easy-access handpiece design. The UltraLume LED 5 is the first LED curing light capable of polymerizing all photo-initiated dental materials. Degree of cure was similar to a halogen curing light. The high thermal emission was a concern of several of the clinical evaluators. DIS testing found that the UltraLume LED 5 emitted much greater heat from the curing tip than several other halogen and LED curing units. The light does not come with a protective eye shield or a built-in radiometer. All clinical evaluators rated the UltraLume LED 5 as either “Excellent” or “Good.” The **UltraLume LED 5** Curing Light is rated **Acceptable** for use by the federal dental services.